

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	("2790925").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/20 14:15
S4	1	de "19732379" A1.did.	DERWENT	ADJ	ON	2008/10/22 11:53
S5	1	("3630425").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/22 11:55
S6	1	de "3827508" A.did.	DERWENT	ADJ	ON	2008/10/22 12:26
S7	50	US-20060124622-\$.DID. OR US-5268557-\$.DID. OR US-20070151964-\$.DID. OR US-20070164074-\$.DID. OR US-7026575-\$.DID. OR US-4782204-\$.DID. OR US-5789717-\$.DID. OR US-3630425-\$.DID. OR US-4347421-\$.DID. OR US-4531040-\$.DID. OR US-4532406-\$.DID. OR US-4773151-\$.DID. OR US-4845336-\$.DID. OR US-4873419-\$.DID. OR US-4898317-\$.DID. OR US-4916270-\$.DID. OR US-5536913-\$.DID. OR US-6016842-\$.DID. OR US-6414268-\$.DID. OR US-6610957-\$.DID. OR US-6831251-\$.DID. OR US-7015412-\$.DID. OR US-7019248-\$.DID. OR US-7081586-\$.DID. OR US-7135655-\$.DID. OR US-7196285-\$.DID. OR US-7274001-\$.DID. OR US-7326880-\$.DID. OR US-7378612-\$.DID. OR US-7378613-\$.DID. OR US-20030019845-\$.DID. OR US-20050006116-\$.DID. OR US-20050150883-\$.DID. OR US-20050211686-\$.DID. OR US-20060169685-\$.DID. OR US-20060278621-\$.DID. OR US-20070017910-\$.DID. OR US-20070017911-\$.DID. OR US-20070145028-\$.DID. OR US-20070158313-\$.DID. OR US-20070164000-\$.DID. OR US-4335078-\$.DID. OR US-5551444-\$.DID. OR US-6963048-\$.DID. OR US-7138602-\$.DID. OR US-20040016736-\$.DID. OR US-20050173392-\$.DID. OR US-	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:40

		20070000893-\$.D.D. OR US-4523076-\$.D.D. OR US-4371107-\$.D.D.				
S10	209	(219/137.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 15:34
S11	79	S10 and ((wire with buffer) or (weld\$4 wire))	US-PGPUB; USPAT	ADJ	ON	2008/10/24 15:37
S12	1	S10 and (wire with buffer)	US-PGPUB; USPAT	ADJ	ON	2008/10/24 15:56
S13	127	(219/137.9).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 16:10
S14	40	S13 and ((wire with buffer) or (weld\$4 wire))	US-PGPUB; USPAT	ADJ	ON	2008/10/24 16:11
S15	8	("20040123353"   "20040144764"   "4539465"   "4670641"   "5225648"   "5512726"   "6392190"   "6858814").FN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/24 16:15
S18	6329	BUFFER DEVICE	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/27 12:59
S19	3	S18 WITH WELDING WIRE	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/27 13:00
S20	25	S18 WITH BUFFER STORAGE	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/27 13:02
S21	2	S18 WITH WELDING TORCH	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/27 13:04
S40	10	(weld\$3 core) with (hel\$3 or spiral)	US-PGPUB; USPAT	ADJ	ON	2008/10/29 12:37
S43	21	((weld\$3 core) or (welding electrode)) near5 (heli\$3 or spiral)	US-PGPUB; USPAT	ADJ	ON	2008/10/29 12:44
S44	14	((weld\$3 core) or (welding electrode)) near5 (helical or spiral)	US-PGPUB; USPAT	ADJ	ON	2008/10/29 12:47
S49	209	(219/137.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/29 14:50

S50	13	S49 and (helical or spiral)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/29 14:50
S51	128	(219/137.9).OCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/29 14:56
S52	10	S51 and (helical or spiral)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/29 14:56
S54	21	"3827508"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/29 17:05
S55	2	de "19732379"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/29 17:06
S56	8	de "19738785"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/29 17:08
S57	2	de "4320405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/29 17:09
S58	2	de "10100164"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/10/29 17:11
S62	2	("6200977").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/30 09:52

S63	4	("62009774").FN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/30 09:52
S64	11	("1966200"   "3240233"   "3279669"   "3358115"   "3576966"   "3866015").FN. OR ("4102483").URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/30 13:09
S65	7	DE-3827508-\$.DID. OR US- 1463004-\$.DID. OR DE- 19732379-\$.DID. OR DE- 2403890-\$.DID. OR US-2215289- \$.DID. OR US-1008776-\$.DID. OR JP-50046537-\$.DID. OR JP- 54026991-\$.DID. OR US- 7400952-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/30 15:04
S66	7	DE-3827508-\$.DID. OR US- 1463004-\$.DID. OR DE-2403890- \$.DID. OR US-2215289-\$.DID. OR US-1008776-\$.DID. OR JP- 50046537-\$.DID. OR JP- 54026991-\$.DID. OR US- 7400952-\$.DID. OR DE- 19732379-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/30 15:06
S68	128	(219/137.9).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/30 17:16
S69	640	((weld\$3 core) or (welding electrode)) and (helical or spiral)	US-PGPUB; USPAT	ADJ	ON	2008/10/30 17:17
S100	128	(219/137.9).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/31 18:36
S103	210	(219/137.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/04 13:37
S104	210	(219/137.2,219/137.3).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/04 13:40
S109	190	(219/137.7).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/04 13:41
S110	48	(219/137.8).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/04 13:41
S111	128	(219/137.9).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/04 13:41
S112	144	(219/137.31).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/04 15:02
S113	297	(219/137.4\$).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/04 15:12
S114	56	(219/137.5\$).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/04 15:39
S115	329	(219/137.6\$).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/04 15:43
S116	23	S115 and (quick disconnect or quick releas\$3 or quick lock)	US-PGPUB; USPAT	ADJ	ON	2008/11/04 17:08

S120	1	("2964612").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/04 18:30
S121	2	("2964612").URFN.	USPAT	ADJ	ON	2008/11/04 18:32
S122	10	("1437257"   "2345758"   "2520112"   "2964612"   "4349721").PN. OR ("4782211"). URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 18:33
S125	11	("2435800"   "2824213"   "2914643"   "2964612"   "3163187"   "4386259").PN. OR ("4970371").URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 18:38
S127	1	("3248515").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/04 18:44
S128	7	("3248515").URFN.	USPAT	ADJ	ON	2008/11/04 18:44
S129	76	("2044950"   "2259976"   "2839663"   "2880305"   "2903566"   "2912562"   "3209119"   "3248515"   "3271554"   "3275795"   "3536886"   "3568029"   "3627973"   "3689979"   "3752951"   "3769486"   "3795785"   "3815807"   "3821840"   "3945752"   "3978310"   "4014495"   "4015086"   "4068791"   "4160895"   "4161640"   "4162383"   "4199673"   "4215809"   "4229641"   "4242981"   "4248371"   "4290239"   "4323750"   "4328412"   "4357515"   "4380697"   "4392759"   "4403136"   "4404450"   "4514443"   "4527039"   "4531039"   "4538046"   "4550235"   "4593445"   "4647749"   "4687899"   "4851639"   "4873419"   "4906122"   "4952769").PN. OR ("5298710").URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 18:47
S130	1	("3999033").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/04 18:52
S131	14	("0472611"   "0625917"   "1953915"   "2211790"   "2817749"   "3158730"   "3755648").PN. OR ("3999033"). URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 18:53
S132	1	("5746616").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/05 09:32

S133	45	("3335389"   "3917148"   "3942536"   "4161952"   "4164067"   "4214804"   "4314095"   "4328812"   "4471160"   "4495917"   "4662382"   "4715891"   "4747889"   "4784161"   "4827932"   "4860769"   "4922927"   "4998975"   "5007422"   "5007436"   "5016808"   "5025554"   "5052407"   "5144960"   "5167512"   "5174288"   "5226260"   "5488768"   "5497936"   "5534022"   "5583319").FN. OR ("5746616"). URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 09:37
S134	1	("5488768").FN.	US-PGPUB; USPAT	OR	OFF	2008/11/05 09:48
S135	34	("3335389"   "3917148"   "3942536"   "4161952"   "4164067"   "4214804"   "4314095"   "4328812"   "4495917"   "4662382"   "4715891"   "4747889"   "4784161"   "4827932"   "4860769"   "4922927"   "4998975"   "5007422"   "5007436"   "5016808"   "5025554"   "5052407"   "5144960"   "5167512"   "5174288"   "5226260").FN. OR ("5488768").URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 09:48
S136	1	("4593849").FN.	US-PGPUB; USPAT	OR	OFF	2008/11/05 09:51
S137	15	("2749421"   "3543989"   "3665148"   "3709423"   "3913820"   "4131783"   "4215809"   "4418266").FN. OR ("4593849").URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 10:01
S138	1	("6486438").FN.	US-PGPUB; USPAT	OR	OFF	2008/11/05 10:03
S139	23	("3430837"   "3541298"   "3594534"   "3627973"   "3795785"   "4366363"   "4381440"   "4438600"   "4527039"   "4687899"   "4805826"   "4851639"   "4873419"   "4892990"   "4952769"   "4956540"   "5298710"   "5539177"   "5558268"   "5844201").FN. OR ("6486438").URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 10:03
S140	1	("7274001").FN.	US-PGPUB; USPAT	OR	OFF	2008/11/05 10:18

S141	24	("2473258"   "2527235"   "2929912"   "3018360"   "3281571"   "3296412"   "3309492"   "3803381"   "3944781"   "3980860"   "4284873"   "4297561"   "4393298"   "4864099"   "5248868"   "6005221"   "6586708").PN. OR ("7274001"). URFPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 10:24
S142	1	("6903305").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/05 10:35
S143	17	("3293477"   "3586221"   "3630425"   "3693858"   "4107508"   "4206862"   "4404457"   "5370290"   "5521355").PN. OR ("6903305"). URFPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 10:37
S144	1396	(219/137.\$).COLS.	US-PGPUB; USPAT	OR	OFF	2008/11/06 08:17
S145	16	S144 and (guide with sensor)	US-PGPUB; USPAT	ADJ	ON	2008/11/06 08:18
S147	22	S144 and (detect\$3 with movement)	US-PGPUB; USPAT	ADJ	ON	2008/11/06 08:35
S148	134	S144 and (sensor)	US-PGPUB; USPAT	ADJ	ON	2008/11/06 08:59
S149	430	S144 and (guide)	US-PGPUB; USPAT	ADJ	ON	2008/11/06 09:13
S150	40	S144 and (detect\$3 same movement)	US-PGPUB; USPAT	ADJ	ON	2008/11/06 09:44
S151	62	("1563612"   "1927896"   "2079956"   "2886696"   "3053975"   "3139506"   "3249276"   "3339057"   "3344305"   "3581053"   "3586221"   "3630425"   "3693858"   "3731049"   "3975616"   "4125759"   "4142085"   "4159410"   "4218906"   "4288682"   "4301355"   "4441012"   "4553018"   "4717807"   "4780594"   "4835360"   "4866247"   "4897523"   "4954691"   "4972064"   "5001326"   "5003154"   "5148001"   "5272313"   "5412175"   "5540371"   "5643479"   "5742029"   "5961863"   "5973291"   "6008470"   "6051810"   "6160241"   "6201216"   "6297473"   "6313437"   "6326591"   "6472634"   "6512200"   "6568578"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/06 09:45

		"6624388"   "6627850"   "6831251").PN. OR ("7102099"). URPN.				
S155	190	(219/137.7).OCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/13 14:53
S156	13	S155 and sensor	US-PGPUB; USPAT	ADJ	ON	2008/11/13 14:53
S157	1	("7165707").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/13 15:25
S158	62	("1563612"   "1927896"   "2079956"   "2886696"   "3053975"   "3139506"   "3249276"   "3339057"   "3344305"   "3581053"   "3586221"   "3630425"   "3693858"   "3731049"   "3975616"   "4125759"   "4142085"   "4159410"   "4218906"   "4288682"   "4301355"   "4441012"   "4553018"   "4717807"   "4780594"   "4835360"   "4866247"   "4897523"   "4954691"   "4972064"   "5001326"   "5003154"   "5148001"   "5272313"   "5412175"   "5540371"   "5643479"   "5742029"   "5961863"   "5973291"   "6008470"   "6051810"   "6160241"   "6201216"   "6297473"   "6313437"   "6326591"   "6472634"   "6512200"   "6568578"   "6624388"   "6627850"   "6831251").PN. OR ("7165707"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/13 15:33
S159	62	("1563612"   "1927896"   "2079956"   "2886696"   "3053975"   "3139506"   "3249276"   "3339057"   "3344305"   "3581053"   "3586221"   "3630425"   "3693858"   "3731049"   "3975616"   "4125759"   "4142085"   "4159410"   "4218906"   "4288682"   "4301355"   "4441012"   "4553018"   "4717807"   "4780594"   "4835360"   "4866247"   "4897523"   "4954691"   "4972064"   "5001326"   "5003154"   "5148001"   "5272313"   "5412175"   "5540371"   "5643479"   "5742029"   "5961863"   "5973291"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/13 15:33



		"6008470"   "6051810"   "6160241"   "6201216"   "6297473"   "6313437"   "6326591"   "6472634"   "6512200"   "6568578"   "6624388"   "6627850"   "6831251").PN. OR ("7165707"). URPN.				
S160	73	(219/137.63).OCL.S.	US-PGPUB; USPAT	OR	OFF	2008/11/13 15:50

11/20/2008 2:42:45 PM

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